

CLAIMS

What is claimed is:

1. A tablet core comprising at least about 95% of a aliphatic amine polymer.
2. The tablet core of Claim 1 wherein the aliphatic amine polymer is selected from the group consisting of unsubstituted and N-substituted poly(allylamine), poly(diallylamine), poly(vinylamine) and poly(ethyleneimine).
3. The tablet core of Claim 2 wherein the N-substituents are selected from the group consisting of substituted and unsubstituted C₁-C₂₄-alkyl groups.
4. The tablet core of Claim 3 wherein the alkyl substituents
5. The tablet core of Claim 1 wherein the aliphatic amine polymer is cross-linked.
6. The tablet core of Claim 1 further comprising one or more excipients.
7. A tablet core comprising at least about 95% linear or cross-linked poly(allylamine) or a pharmaceutically acceptable salt thereof.
8. The tablet core of Claim 7 wherein the poly(allylamine) is hydrated..
9. The tablet core of Claim 8 wherein the poly(allylamine) comprises from about 3% to about 10% water.
10. The tablet core of Claim 9 wherein the poly(allylamine) comprises from about 5% to about 8% water.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	

12

- Sub
a
11. The tablet core of Claim 10 wherein the polyallylamine is from about 1% to about 10% cross-linked.
12. A tablet core comprising at least about 95% by weight of hydrated cross-linked poly(allylamine hydrochloride).
- 5 13. The tablet core of claim 1 wherein said tablet further comprises a water-based coating.
14. The tablet core of claim 7 wherein said tablet further comprises a water-based coating.
- 10 15. The tablet core of claim 14 wherein said water-based coating comprises hydroxypropylmethylcellulose and a plasticizer.
16. The tablet core of claim 15 wherein said coating comprises hydroxypropyl methylcellulose low viscosity, hydroxypropylmethylcellulose high viscosity, and diacetylated monoglyceride.
17. The tablet core of claim 2 wherein said polymer is polydiallylamine.
- 15 18. The tablet core of claim 17 wherein said tablet further comprises a water-based coating.
19. A compressed tablet comprising an effective disintegrating amount of polyallylamine or a salt thereof with a pharmaceutically acceptable acid.

008101 62416960

20. The compressed tablet of Claim 19 wherein the polyallylamine or salt thereof is cross-linked.

21. The tablet of Claim 20 wherein the polyallylamine or salt thereof is cross-linked with epichlorohydrin.

Add
a2

003707 6246960
05691429 101800